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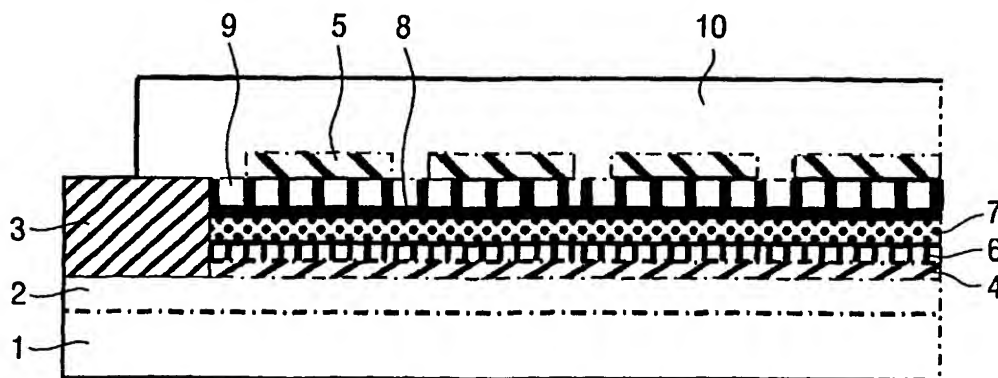
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29 December 2004For two-letter codes and other abbreviations, refer to the "Guid-  
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ning of each regular issue of the PCT Gazette.

(54) Title: ORGANIC ELECTROLUMINESCENT COMPONENT WITH TRIPLET EMITTER COMPLEX

(57) Abstract: An organic electroluminescent component having a layer composite, which comprises a) a substrate layer b) a first transparent electrode layer, c) a mixing layer having c.1) a matrix of a conductive organic material with one or more singlet states and one or more triplet states, selected from the group: p-conductive and n-conductive materials, c.2) in this matrix, a light-emitting material which contains a metallo-organic complex compound with an emissive triplet state, and d) a second electrode, the lowest-energy triplet state of the conductive organic material being higher than the emissive triplet state of the metallo-organic complex compound by an energy difference  $E_t$ .

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01L51/

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	V. ADAMOVICH ET AL: "High efficiency single dopant white electrophosphorescent light emitting diodes" NEW JOURNAL OF CHEMISTRY, vol. 26, 12 August 2002 (2002-08-12), pages 1171-1178, XP008037151 page 1175, column 1, line 23 - line 56	1,2
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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# INTERNATIONAL SEARCH REPORT

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.../IB 03/05744

C.(Continuation) DOCUMENT CONSIDERED TO BE RELEVANT

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A	WO 02/074015 A (FORREST STEPHEN R ; THOMPSON MARK E (US); UNIV PRINCETON (US); UNIV SO) 19 September 2002 (2002-09-19) abstract	1
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